

1 M S M N N S K Q L V S P A A A L L S N T T (Y in pos 63) 63
 ATGTCATGAACAATTCCAAACAGCTAGTGTCTCTCGAGCTGCGCTTCTTTCAAACACAACG

64 C Q T E N R L S V F F S V I F M T V G I L S N S L A I 143
 TGCCAGACGGAAAAACGCGCTTTCGTAATTTTTCAGTAATCTTCATGACAGTGGGAATCTTGTCAAACAGCCTTGCCAT

144 A I L M K A Y Q R F R Q K S K A S F L L L A S G L V I 223
 CGCCATCTCATGAAGCATATCAGAGATTAGACAGAAGTCCAGGCATCGTTTCTGCTTTTGCCCACTGGCGCTGTA

224 T D F F G H L I N G A I A V F V Y A S D K E W I R F 303
 TCATGATTCTTTGGCCATCTCATCAATGGAGCCATAGCAGTATTGTATATGCTTCTGATAAAGAATGGATCGCCTT

304 D Q S N V L C S I F G I C M V F S G L C P L L L G S V 383
 GACCAATCAAAATGCTCTTGCAGTATTTTGGTATCTGCATGGTGTCTTCTGGTCTGTGCCCATCTTCTTAGGCAGTGT

384 M A I E R C I G V T K P I F H S T K I T S K H V K M M 463
 MATGGCCATTGAGCGGTGATTGGAGTCACAAACCAATATTTTCATTCTAGAAAATATACATCCAAACATGTGAAATGA

464 (R in pos 465) L S G V C L F A V F I A L L P I L G H R D Y K I Q A 543
 TTTTAAGTGGTGTGCTTGTGTGCTTTTCATAGCTTTGCTGCCATCCTTGACATCGAGACTATAAAATTCAGGCG

544 (R in pos 573) S R T W C F Y N T E D I K D W E D R F Y L L L F S F L 623
 TCAGGACCTGGTGTCTTACAAACACAGAGACATCAAGACTGGGAGATAGATTTCCTTCTACCTTTTCTTTTCT

624 G L L A L G V S L L C N A L T G I T L L R V K F K S Q 703
 GGGCTCTTAGCCCTTGGTGTTTCATTGTTGTGCAATGCAATCACAGGAATTACACTTTTAAGAGTTAAATTTAAAGTC

704 Q H R Q G R S H H L E M V I Q L L A I M C V S C I C 783
 AGCAGACAGACAAGGCAGATCTCATCATTTGGAATGGTAATCCAGCTCCTGGCGATAATGTGTCTCCTGTATTGT

784 W S P F L 797
 TGGAGCCCATTTCTnnnnnn

798 V T M A N I G I N G N H S L E T C E T T L F A L R 873
 nnnnGGTTACAAATGGCCAACTTGGATAAATGGAAATCATTTCTCTGGAAACCTGTGAAACCAACACTTTTGTCTCTCGA

874 M A T W N Q I L D P W V Y I L L R K A V L K N L Y K L 953
 ATGGCAACATGGAATCAAACTTATGATCCTTGGGTATATATCTCTACGAAAGGCTGTCTCTTAAGAATCTGTATAAGCT

954 A S Q C C G V H V I S L H I W E L S S V (R in pos 1012) 1033
 TGCAGTCAATGCTGTGGAGTGCATGTATCAGCTTACATATTGGGAGCTTAGTTCCTTAAAAAATCCTTAAGGTTG

1034 A I S E S P V A E K S A S T *** 1080
 CTGCTAATTTCTGAGTCACCAAGTTCAGAGAAATCAGCAAGCACCTAGGttaataggacagtaaatctgtg

FIGURE 1

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1 M S P C G P L N L S L A G E A T T C A 56
 ATGAGCCCTTGGCGGGCCCTCAACCTGAGCCTGGCGGGGAGGGAGCCACATGGCC

57 A P W V P N T S A V P P S G A S P A L P I F S M T L G 136
 GGCGCCCTGGGTCCCCAACACGTCGCGCGTGC CGCGCTGGGGCGCTTCCGCCGCGTCCCATCTTCTCCATGACGCTGG

137 A V S N L L A L A L L A Q A A G R L R R R R S A T T 216
 GCGCGCTGTCCAACCTGCTGGCGCTGGCGCTGCTGGCGCAGGCCGCGGGCCGCTGGAGCGCCGCGCTGGGCCACCAC

217 F L L F V A S L L A T D L A G H V I P G A L V L R L Y 296
 TTCTCTGCTGTTCTGGCCAGCCTGCTGGCCACCGACCTGGCGGGCCAGGTGATCCCGGGCGCGCTGGTGTCTGCTCTGTA

297 T A G R A P A G G A C H F L G G C M V F F G L C P L L 376
 GACTGGGGGCGCGCTCGGCGCGGGGGCTGCCACTTCTGGGCGGCTGCATGCTCTTCTGGCCTGTGCCCGCTGC

377 L G C G M A V E R C V G V T R P L L H A A R V S V A 456
 TGTGGGCTGTGGCATGGCGTGGAGCGCTGCTGGGCGCTCACCGCGCGCTGCTGCACGCGCGGCGGTCTCGGTGCGC

457 F A R L A L A A V A A V A L A V A L L P L A R V G R Y 536
 CGCGCGCGCTGGCGCTGGCGCGGTGGCGCGGTGGCGCTGGCGCGTGGCGCTGGCGCGGTGGCGCGGTGGCGCGGT

537 E L Q Y P G T W C F I G L G P P G G W R Q A L L A G L 616
 TGAGCTGCACTACCGGGCAGTGTGCTTCATCGGCGCTGGGTCCCGCGGGCGGTGGCGCGCAGGCACTGCTTGTGTGCC

617 F A S L G L V A L L A A L V C N T L S G L A L H R A 696
 TCTTGCCAGCCTCGGCGTGTGCGCTCTCGCGCGCTGCTGTGCAACAGCTCAGCGGCGCTGGCGCTGCTAGCGCGC

697 P W R R R S R R R P P P A S G P D S R R R W G A H G P R 776
 CGTGGCGAGCGCGCTCCGACGCGCTCCCGGGCTCAGGCGCGCGAGCGCGGCTGCTGGGGGGCGCTGGCGAGCCCG

777 S A S A S S A S S I A S A S T F F G G S R S S G S A R 856
 CTGGCGCTCGGCGCTGCGCGCTGCTCATGCTCGGCTCCACCTCTTTGGCGGCTCTCGGAGCAGCGGCTCGGCAC

857 R A R A H D V E N V G Q L V G I M V S C I C W S P 936
 GCAGAGCTCGCGCCCAAGACGTGGAGATGTTGGGCCAGCTTGTGGTATCATGGTGTGTCGTGATCTGTGGAGCCCA

937 M L V L V A L A V G G W S S T S L O R P L F L A V R L 1016
 ATGCTGTGTGTGGTGGCGCTGGCGCTGGCGCTGAGCTCTACCTCCCTGAGCGGCGCACTTCTCTGGCGCGTGGCGCT

1017 A S W N Q I L D P W V Y I L L R Q A V L R Q L L R L L 1096
 TGGCTCTTGAACAGATCTTGGAGCCTTGGGTGTACATCTTCTGCGCGAGCGCGTGTGCGCGCACTGCTTGGCTCT

1097 P P R A G A K G G P A G L G L T P S A W E A S S L R 1176
 TGCCCGCGAGGGCGGAGCCAGGCGCGCGCGGGCTAACAAGCGCGCTGGAGGGCAGCTCGCTGCGC

1177 S S R H S G L S H F *** 1209
 AGCTCCGGCAGCGCGCTCAGCCACTTCAAgcacaaccagagccca

FIGURE 2

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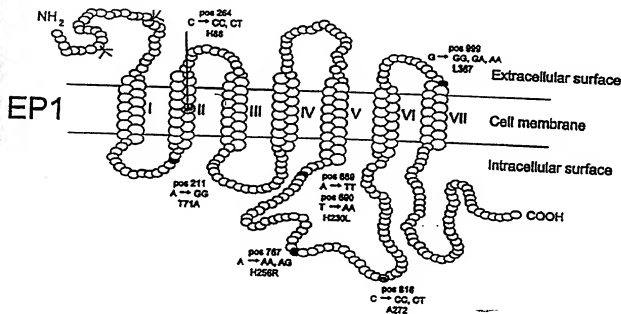
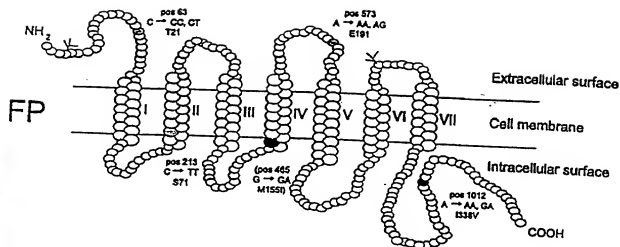


FIGURE 3